

Reed, Angel

From: Schendel, John
Sent: Thursday, November 19, 2009 12:43 PM
To: Ceron.Leonardo@epamail.epa.gov
Cc: 'jones.katrina@epa.gov'; 'walker.darryl@epa.gov'; Owen.Dan@epamail.epa.gov;
erickson.sharyn@epa.gov; Reed, Angel; Mayer, Randy; Harrigan, Sandra; Johnson, Andy
Subject: RE: TTEMI-05-003-0078, Vermiculite Exfo Palmetto GAO 148: Submittal of Cost Estimate
Attachments: TTEMI-05-003-0078_GAO 148_Cost Estimate_111909.pdf

I apologize for not including the attachment in the original e-mail. - John

John Schendel, PhD | Quality Assurance Manager
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john.schendel@ttemi.com
Tetra Tech EM Inc.
1955 Evergreen Boulevard | Building 200, Suite 300
Duluth, GA 30096

From: Schendel, John
Sent: Thursday, November 19, 2009 12:38 PM
To: 'Ceron.Leonardo@epamail.epa.gov'
Cc: 'jones.katrina@epa.gov'; 'walker.darryl@epa.gov'; 'Owen.Dan@epamail.epa.gov'; 'erickson.sharyn@epa.gov'; Reed, Angel;
Mayer, Randy; Harrigan, Sandra; Johnson, Andy
Subject: TTEMI-05-003-0078, Vermiculite Exfo Palmetto GAO 148: Submittal of Cost Estimate

Dear Leonardo,

Attached is the cost estimate for the planned November 30 through December 4, 2009 sampling event at the Vermiculite GAO 148 site in Woodruff, South Carolina. The funding Tetra Tech requests is summarized in the table below. A detailed cost break down is included in the cost estimate. Please call me or Randy Mayer (225-933-4534) if you have any questions regarding this estimate.

Site Name	Current TDD Ceiling	New TDD Ceiling Requested	TDD Amendment Request
TDD No. TTEMI-05-003-0078, Vermiculite Exfo Palmetto GAO 148	\$10,000.00	\$63,396.49	\$53,396.49

Thanks, Leonardo. - John

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10968492

**US EPA - REGION 4 SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM (START) CONTRACT
TETRA TECH, INC. - CONTRACT No. EP-W-05-054**

TO: Leonardo Ceron, On-Scene Coordinator
FROM: John Schendel
CC: Katrina Jones, EPA Project Officer
Darryl Walker, EPA Alternate Project Officer
Dan Owen, EPA Contract Officer
Sharyn Erickson, EPA Contract Specialist
DATE: November 18, 2009
SITE: Vermiculite Exfo Palmetto GAO 148
TO #: 003
TDD #: TTEMI-05-003-0078
SUBJECT: STAFFING PLAN AND COST ESTIMATE

COST SUMMARY

LABOR	STAFFING PLAN (THIS ESTIMATE)					
	Current Approved Funding	Cost Estimate, October 2009	Cumulative	# of Personnel	POM (AT, LV, NV, etc.)	Justifications
Principal Professional	\$0.00	\$18,350.96	\$18,350.96	1	Duluth, GA	The nearest personnel to the site will be used to the extent practicable, with principal staff provided from Duluth, GA
Senior Scientist	\$0.00	\$18,591.75	\$18,591.75	2	Duluth, GA	
Junior Scientist	\$0.00	\$6,115.41	\$6,115.41	2	Cincinnati, OH	
Senior Engineer	\$0.00	\$0.00	\$0.00			
Junior Engineer	\$0.00	\$0.00	\$0.00			
IT Professional	\$0.00	\$1,709.28	\$1,709.28			
IT Technician	\$0.00	\$1,315.02	\$1,315.02	1	Duluth, GA, Louisville, KY, or Nashville, TN	Support for preparing figures and entering data into SCRIBE; no travel involved
Senior Technician	\$0.00	\$2,689.62	\$2,689.62	1	Baton Rouge, LA	The nearest personnel to the site will be used to the extent practicable, with principal staff provided from Duluth, GA.
Junior Technician	\$0.00	\$273.24	\$273.24	1	Duluth, GA	
Contract Administrators	\$0.00	\$390.72	\$390.72	1	Denver, CO	Procurement support; no travel involved
Sub-Total Labor	\$0.00	\$49,436.00	\$49,436.00			
CLIN EQUIPMENT	\$0.00	\$168.30	\$168.30			
NON-CLIN EQUIPMENT & MATERIALS [‡]	\$0.00	\$7,099.84	\$7,099.84			
SPECIALIZED LABOR [‡]	\$0.00	\$0.00	\$0.00			
NON-TEAM SUBCONTRACTORS [‡]	\$0.00	\$0.00	\$0.00			
ANALYTICAL SUBCONTRACTORS [‡]	\$0.00	\$0.00	\$0.00			
OTHER DIRECT COSTS [‡]	\$0.00	\$6,692.35	\$6,692.35			
TOTAL TDD	\$10,000.00	\$63,396.49	\$63,396.49			
CURRENT TDD CEILING			\$10,000.00			
NEW TDD CEILING REQUESTED			\$63,396.49			
TDD AMENDMENT REQUEST			\$53,396.49			

Notes:

‡ = Whenever practical and appropriate, these costs reflect the use of competitive procurement practices, in accordance with Tetra Tech's procurement policies and Federal Acquisition Regulation (FAR) Part 8.

US EPA - REGION 4
START III CONTRACT [AWARD TERM 1]
CONTRACT No. EP-W-05-054
Task Order No. 003
TDD No. TTEMI-05-003-0078

G&A 1	0.00%
G&A 2	7.22%

CLIN	NON-LEVEL A FIELD LABOR					
	Description	Unit	Hourly Rate	Hours	Extended	Sub-Total
Clin 1001A	Principal Professional	hr	\$96.34	44	\$4,238.96	\$4,238.96
Clin 1002A	Senior Scientist	hr	\$82.63	88	\$7,271.44	\$7,271.44
Clin 1003A	Junior Scientist	hr	\$51.39	88	\$4,522.32	\$4,522.32
Clin 1004A	Senior Engineer	hr	\$77.79	0	\$0.00	\$0.00
Clin 1005A	Junior Engineer	hr	\$62.27	0	\$0.00	\$0.00
Clin 1008A	IT Professional	hr	\$0.00	0	\$0.00	\$0.00
Clin 1007A	IT Technician	hr	\$61.36	0	\$0.00	\$0.00
Clin 1008A	Senior Technician	hr	\$58.47	44	\$2,572.68	\$2,572.68
Clin 1009A	Junior Technician	hr	\$0.00	0	\$0.00	\$0.00
Clin 1010A	Contract Administrators	hr	\$0.00	0	\$0.00	\$0.00
	Sub-Total Labor			264	\$18,605.40	\$18,605.40

[illegible]

CLIN	NON-FIELD LABOR					
	<u>Description</u>	<u>Unit</u>	<u>Hrly Rate</u>	<u>Hours</u>	<u>Extended</u>	<u>Sub-Total</u>
Clin 1001B	Principal Professional	hr	\$96.00	147	\$14,112.00	\$14,112.00
Clin 1002B	Senior Scientist	hr	\$82.63	137	\$11,320.31	\$11,320.31
Clin 1003B	Junior Scientist	hr	\$51.39	31	\$1,593.09	\$1,593.09
Clin 1004B	Senior Engineer	hr	\$77.79	0	\$0.00	\$0.00
Clin 1005B	Junior Engineer	hr	\$62.27	0	\$0.00	\$0.00
Clin 1006B	IT Professional	hr	\$71.22	24	\$1,709.28	\$1,709.28
Clin 1007B	IT Technician	hr	\$62.62	21	\$1,315.02	\$1,315.02
Clin 1008B	Senior Technician	hr	\$58.47	2	\$116.94	\$116.94
Clin 1009B	Junior Technician	hr	\$45.54	6	\$273.24	\$273.24
Clin 1010B	Contract Administrators	hr	\$65.12	6	\$390.72	\$390.72
	Sub-Total Labor			374	\$30,830.60	\$30,830.60

Task 1	Task 2	Task 3	Task 4	Task 5	Task 6	Task 7	Total	LOE Distribution
55	48	32	12	0	0	0	147	39.3%
45	36	48	8	0	0	0	137	36.6%
12	4	0	15	0	0	0	31	8.3%
0	0	0	0	0	0	0	0	0.0%
0	0	0	0	0	0	0	0	0.0%
0	0	24	0	0	0	0	24	6.4%
5	16	0	0	0	0	0	21	5.6%
0	2	0	0	0	0	0	2	0.5%
0	0	0	6	0	0	0	6	1.6%
6	0	0	0	0	0	0	6	1.6%
123	106	104	41	0	0	0	374	100.0%
32.9%	28.3%	27.8%	11.0%	0.0%	0.0%	0.0%	\$82.43	

<u>Description</u>	<u>Rate</u>	<u>Cost</u>	<u>No. of Units</u>	<u>Extended</u>	<u>Sub-Total</u>
CLIN 2017 SKC PCXR8 or GilAir 5 Pump (5 pk month)		346.38	0.33	\$115.46	\$115.46
CLIN 2023 Weather Station	month	158.51	0.33	\$52.84	\$52.84
				\$0.00	\$0.00
				\$0.00	\$0.00
				\$0.00	\$0.00
				\$0.00	\$0.00
				\$0.00	\$0.00
				\$0.00	\$0.00
				\$0.00	\$0.00
				\$0.00	\$0.00
				\$0.00	\$0.00
				\$0.00	\$0.00
				\$0.00	\$0.00
				\$0.00	\$0.00
				\$0.00	\$0.00
				\$0.00	\$0.00
Sub-Total Equipment				\$168.30	\$168.30

Description	Rate	Cost	No. of Units	Extended	G&A	Sub-Total
Gillian Aircon 2 High Vol, 14 units	month	10,880.00	0.33	\$3,626.67	\$261.85	\$3,888.51
Quicktake 30 High Vol Pump	month	1,000.00	0.33	\$333.33	\$24.07	\$357.40
Rotameter	ls	370.75	0.33	\$123.58	\$8.92	\$132.51
Bios DryCal DC-Lite	weekly	45.00	0.00	\$0.00	\$0.00	\$0.00
Trimble GPS Instrument	day	45.00	0.00	\$0.00	\$0.00	\$0.00
Generator, portable, 5 to 6.9 KW	weekly	680.20	0.50	\$340.10	\$24.56	\$364.66
MCE Pre-Loaded 0.45-um, 25-mm filter cassette	50-pk	84.45	0.33	\$28.15	\$2.03	\$30.18
MCE Pre-Loaded 0.8-um, 25-mm filter cassette	250 count	244.75	0.33	\$81.58	\$5.89	\$87.47
Leaf Blower	ls	70.00	0.50	\$35.00	\$2.53	\$37.53
Fan	ls	41.00	0.00	\$0.00	\$0.00	\$0.00
Broom	ls	140.00	0.33	\$46.67	\$3.37	\$50.04
Leaf Rake	ls	20.00	0.00	\$0.00	\$0.00	\$0.00
Garden Rake	ls	20.00	0.00	\$0.00	\$0.00	\$0.00
Backpack or harness	ls	160.00	0.33	\$53.33	\$3.85	\$57.18
Extension Cords, 100-feet	ls	50.00	0.33	\$16.67	\$1.20	\$17.87
Extension Cords, 50-feet	ls	50.00	0.33	\$16.67	\$1.20	\$17.87
Power Strips, 10-receptacle	ls	40.00	0.00	\$0.00	\$0.00	\$0.00
35-ft Recreational Vehicle	weekly	3,500.00	0.50	\$1,750.00	\$126.35	\$1,876.35
ATV	day	235.00	0.00	\$0.00	\$0.00	\$0.00
Storage Containers	ls	30.00	0.33	\$10.00	\$0.72	\$10.72
Miscellaneous Supplies	ls	100.00	1.00	\$100.00	\$7.22	\$107.22
55-gallon drums	3 count	180.00	0.33	\$60.00	\$4.33	\$64.33
Sub-Total Materials				\$6,621.75		\$7,099.84

Description	Unit	Cost	No. of Units	Extended	G&A	Sub-Total
				\$0.00	\$0.00	\$0.00
				\$0.00	\$0.00	\$0.00
Sub-Total Materials				\$0.00		\$0.00

<u>Description</u>	<u>Unit</u>	<u>Cost</u>	<u>No. of Units</u>	<u>Extended</u>	<u>Sub-Total</u>
				\$0.00	\$0.00
				\$0.00	\$0.00
Sub-Total Subcontractors.				\$0.00	\$0.00

Description	Unit	Cost	No. of Units	Extended	G&A	Sub-Total
				\$0.00	\$0.00	\$0.00
				\$0.00	\$0.00	\$0.00
Sub-Total Subcontractors				\$0.00		\$0.00

Description	Unit	Cost	No. of Units	Extended	G&A	Sub-Total
Meals (100% Per Diem)	day	\$56.00	15.00	\$840.00	\$60.65	\$900.65
Meals (75% Per Diem)	day	\$42.00	6.00	\$252.00	\$18.19	\$270.19
Hotel	day	\$92.00	18.00	\$1,656.00	\$119.56	\$1,775.56
Hotel Tax	day	\$18.40	18.00	\$331.20	\$23.91	\$355.11
Fuel	gallon	\$4.00	350.00	\$1,400.00	\$101.08	\$1,501.08
Airfare	@	\$900.00	0.50	\$450.00	\$32.49	\$482.49
Rental vehicle	day	\$900.00	0.50	\$450.00	\$32.49	\$482.49
Rental vehicle	day	\$585.00	0.50	\$292.50	\$21.12	\$313.62
Rental vehicle	day	\$560.00	0.50	\$280.00	\$20.22	\$300.22
Taxi	ls	\$180.00	0.50	\$90.00	\$6.50	\$96.50
Shipping (Overnight Courier)	ls	\$50.00	4.00	\$200.00	\$14.44	\$214.44
Sub-Total ODCs				\$6,241.70		\$6,692.35

CURRENT TDD CEILING	\$10,000.00
NEW TDD CEILING REQUESTED	\$63,396.49
TDD AMENDMENT REQUEST	\$53,396.49

Ave. Loaded \$/Hr	\$99.37
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‡ = Whenever practical and appropriate, these costs reflect the use of competitive procurement practices, in accordance with Tetra Tech's procurement policies and Federal Acquisition Regulation (FAR) Part 6.

[illegible]

Task 1	Task 2	Task 3	Task 4	Task 5	Task 6	Task 7	Total	LOE Distribution
55	48	32	12	0	0	0	147	39.3%
45	36	48	8	0	0	0	137	36.6%
12	4	0	15	0	0	0	31	8.3%
0	0	0	0	0	0	0	0	0.0%
0	0	0	0	0	0	0	0	0.0%
0	0	24	0	0	0	0	24	6.4%
5	16	0	0	0	0	0	21	5.6%
0	2	0	0	0	0	0	2	0.5%
0	0	0	6	0	0	0	6	1.6%
6	0	0	0	0	0	0	6	1.6%
123	106	104	41	0	0	0	374	100.0%
32.9%	28.3%	27.8%	11.0%	0.0%	0.0%	0.0%	\$82.43	

Task 1: HASP, SAP, QAPP, and Cost Estimate Preparation; procurement; and technical communications and coordination

Task 2: Sampling Event and Sample Processing

Task 3: Draft and Final Report Preparation

Task 4: Project Management

Task 1: Includes preparation and review of: site-specific HASP, SAP, and QAPP as required in TDD. Also includes hours for equipment research and procurement; and conference calls with Task Monitor to discuss the sampling plan and equipment.

Task 2: The field hours described here are divided between two projects that are planned to be conducted sequentially during a single field event; so, the field hours shown here represent one-half of the event's total hours. Field hours include: two nine-hour travel (and rental equipment pick-up and drop-off) days and five 14-hour field days for one principal professional, two senior scientists, two junior scientists, and one senior technician. Office labor includes: two hours per field team member to make travel arrangements and prepare expense reports; hours for field team members to gather and pack equipment and supplies before the event, as well as restock when event is over; and hours for decon. In addition, this task includes hours for processing the samples collected using Scribe and shipping them to the laboratory.

Task 3: Includes preparation and review of draft and final versions of report. Report will include summary of aggressive air and activity-based air sampling results.

Task 4: Includes hours for principal professional to review RCMS, field expenses, and vendor invoices; hours to coordinate resources for project; and hours to conduct project closeout activities. Also includes hours for a junior scientist to conduct RCMS cost tracking activities for the duration of project; and 6 hours for junior technician and 6 hours for junior scientist to archive project files.

The CLIN equipment items (pumps and the weather station) will be used for three projects (this being one of the three); and so the monthly rental cost is divided equally among those projects. The cost shown here represents one-third of the total monthly cost.

Most of the non-CLIN equipment and materials presented here will be used for three projects (this being one of the three), and so the total cost for each item is divided equally among those projects; the cost shown here represents one-third of the total cost. In a few instances (generators and the RV), the cost is divided unequally (1/4, 1/4, and 1/2) to accurately reflect how the rentals of these units will actually be used.

Non-CLIN equipment and materials listed are needed for the project so that sampling is conducted in accordance with the procedures established by ERT. Due to the potential exposure to asbestos, some of these materials are expendable and may not be reusable on another project. Fans will be sealed in plastic bags until the asbestos analytical results are received. If no asbestos is present, the fans may be reused on other projects.

- Includes five non-travel days at 100% for six people.
- Includes 2 travel days at 75% for six people.
- Includes six nights of lodging for six people.
- Includes six nights of lodging tax for six people.
- Fuel for 3 rental cars, a recreational vehicle, and three generators.
- Round trip airfare for one person from Lafayette, LA.
- Includes charges for one large SUV rented for nine days.
- Includes charges for one cargo van rented for nine days.
- Includes charges for one compact car rented for eight days.
- Taxi fare from and to airport for one person
- Assumes up to four coolers to ship samples to the laboratory.

Additional Travel Assumptions Many of the travel costs presented here will be shared between two projects (this being one of the two), and so the total cost for each item is divided equally among those projects; the costs shown here for which this applies represents one-half of the total cost.